

Title (en)

STREAMING GRAPH OPTIMIZATION METHOD AND APPARATUS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OPTIMIERUNG VON STREAMINGGRAPHEN

Title (fr)

PROCÉDÉ ET APPAREIL D'OPTIMISATION DE GRAPHIQUE DE DIFFUSION EN CONTINU

Publication

**EP 3229150 A4 20171206 (EN)**

Application

**EP 15875166 A 20151224**

Priority

- CN 201510003823 A 20150104
- CN 2015098695 W 20151224

Abstract (en)

[origin: EP3229150A1] A streaming graph optimization method and apparatus are disclosed, relating to the stream processing field. A stream application streaming graph provided by a user is received (S601); the streaming graph is parsed and a streaming graph described by an operator node and a data stream side is constructed (S602); the streaming graph is disassembled according to a maximum atom division principle, so as to obtain at least one streaming subgraph (S603); adjacency operator combination is performed on the at least one streaming subgraph according to a combination algorithm, so as to obtain an optimized streaming graph (S604). By disassembling and combining the streaming graph provided by the user, balanced streaming graph computing logic is implemented, redundant flow transmission is reduced, and stream system resource utilization and stream application execution performance are improved.

IPC 8 full level

**G06F 17/30** (2006.01)

CPC (source: CN EP US)

**G06F 9/3005** (2013.01 - CN US); **G06F 9/5083** (2013.01 - CN US); **G06F 16/24568** (2018.12 - EP US); **G06F 16/9024** (2018.12 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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**EP 3229150 A1 20171011; EP 3229150 A4 20171206; EP 3229150 B1 20200617**; CN 104504143 A 20150408; CN 104504143 B 20171229; US 10613909 B2 20200407; US 2017300367 A1 20171019; WO 2016107488 A1 20160707

DOCDB simple family (application)

**EP 15875166 A 20151224**; CN 2015098695 W 20151224; CN 201510003823 A 20150104; US 201715640685 A 20170703